REMARKS

Claims 1-32 are pending in the application. Claims 1, 18, 19, 20, and 28 have been amended in this paper.

CLAIM OBJECTIONS

The Examiner has objected to Claims 19 and 20 as lacking antecedent basis. These claims have been corrected. The amendments to these claims do not narrow the scope of the claims.

DOUBLE PATENTING

The Examiner has objected to Claims 24 and 25 under the judicially created doctrine of obviousness-type double patenting as being unpatentable over Claims 1 and 2 of U.S. Patent No. 6,668,240 in view of Henderson. Applicants respectfully traverse the rejection but, in the interest of expediting prosecution of the application to allowance, have filed a Terminal Disclaimer in compliance with 37 CFR 1.321(c) contemporaneously with this paper.

The Examiner has also rejected Claims 29 and 30 under 35 U.S.C. §101 as claiming the same invention is that of Claims 7 and 8 of prior U.S. Patent No. 6,668,240. Applicants respectfully traverse the rejection and note that Claim 28 has been amended to remove the limitation of "via a communication network." Accordingly, Claims 29 and 30 are broader than Claims 7 and 8 of the '240 patent, and therefore do not claim the "same invention" as Claims 7 and 8 of U.S. Patent No. 6,668,240. Applicants respectfully request the Examiner to reconsider and withdraw the rejection.

REJECTION UNDER 35 U.S.C. § 102

Claims 23, 26-28, 31 and 32 stand rejected under 35 U.S.C. §102(b) as being anticipated by Regennitter et al. (U.S. Pat. No. 4,278,841). This rejection is respectfully traversed.

In order for the rejection of Claims 23, 26-28, 31 and 32 to be proper, each and every limitation in the claims must be shown in the prior art. Regennitter et al., however, fails to teach each and every element. Specifically, Regennitter et al. fails to disclose a food product index.

As defined by Webster's Third New International Dictionary (relevant pages attached hereto), "index," given its ordinary meaning in light of the context in which it is used in the claims, means "a ratio or other number derived from a series of observations and used as an indicator or measure, as of a condition, property, or phenomena." Regennitter et al. does not teach a food product index, but the Examiner cites the condition of the food in the frozen food display cases as disclosure by Regennitter et al. of a food product index. States the Examiner: "Since the food condition is dependent upon temperature, it is a food product index (Col. 1, lines 11-24)." This is not, however, a food product index—a ratio or other number derived from a series of observations—but simply the condition of the food.

Applicants are confused by the Examiner's continued reliance on the condition of the food in the frozen display cases as teaching a food product index, according to its plain English meaning, and particularly as evidenced by the cited dictionary definition. For example, the Examiner's reliance on the condition of the food in the frozen display cases becomes nonsensical when applying the Examiner's rejection to Claims 26 and

31, which include initiating an alarm when the food product index exceeds a predetermined level. Does that mean that Regennitter et al. teaches initiating an alarm when the condition of the food, i.e., the food product index, in the frozen display cases, achieves a certain condition, such as thawed? No, Regennitter et al., in fact, teaches initiating an alarm at an alarm unit when the temperature reaches a certain preset point. See Col. 3, lines 55-62. There is no disclosure in Regennitter et al. that an alarm will sound based on a food product index because the condition of the food in the freezer unit is not a food product index. In fact, the condition of the food in the freezer unit is immaterial in Regennitter because the alarm sounds when temperature reaches a preset point.

In summary, Applicants fail to understand the Examiner's reliance on the condition of the frozen food in the frozen food display cases as a food product index. Applicants strongly disagree with the Examiner's interpretation of Regennitter et al., and restate that the frozen condition of the frozen foods cannot be considered to be a food product index; frozen food is simply frozen food and not an index. Accordingly, Applicants request reconsideration and withdrawal of the rejection.

REJECTION UNDER 35 U.S.C. § 103

Claims 1, 3-5, 18, 21 and 22 stand rejected under 35 U.S.C. §103(a) as being unpatentable over O'Brien (U.S. Pat. No. 4,024,495) in view of Chiu et al. (U.S. Pat. No. 4,604,871). This rejection is respectfully traversed.

Claims 1 and 18 recite a food product manager determining a food product index where refrigerated product is a function of the frequency and severity of the product

temperature condition information. O'Brien and Chiu et al. fail to teach determination of a food product index, particularly as discussed above with respect to Regennitter et al.

The Examiner has rejected Claim 2 under 35 U.S.C. §103(a) as being unpatentable over O'Brien in view of Chiu et al. as applied to Claim 1 above, and further in view of Tershak et al. Applicants respectfully traverse the rejection for the reasons stated above with respect to O'Brien and Chiu et al., and further state that Tershak et al. fails to cure the deficiencies as noted above with respect to those references.

The Examiner has rejected Claim 7 under 35 U.S.C. §103(a) as being unpatentable over O'Brien in view of Chiu et al. as applied to Claim 1 above, and further in view of Nioras. Applicants respectfully traverse the rejection for the reasons stated above with respect to O'Brien and Chiu et al., and further state that Nioras fails to cure the deficiencies noted above.

The Examiner has rejected Claims 7, 8, 11-14 and 16 under 35 U.S.C. §103(a) as being unpatentable over O'Brien in view of Chiu et al. as applied to Claim 1 above, and further in view of Starling et al. Applicants respectfully traverse the rejection for the reasons stated above with respect to O'Brien and Chiu et al., and further state that Starling et al. fails to cure the deficiencies noted above.

ALLOWABLE SUBJECT MATTER

Applicants thank the Examiner for noting the allowable subject matter of Claims 6, 9, 10, 15 and 17, but have decided to forego rewriting those claims in independent form in view of the amendments and remarks made above.

CONCLUSION

It is believed that all of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider and withdraw all presently outstanding rejections. It is believed that a full and complete response has been made to the outstanding Office Action, and as such, the present application is in condition for allowance. Thus, prompt and favorable consideration of this amendment is respectfully requested. If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (248) 641-1600.

Respectfully submitted,

Dated: June 29, 2004

By: _____
Michael Malinzak, Reg. No. 43,770

HARNESS, DICKEY & PIERCE, P.L.C.
P.O. Box 828
Bloomfield Hills, Michigan 48303
(248) 641-1600

MM/ca

Webster's Third New International Dictionary

OF THE ENGLISH LANGUAGE

UNABRIDGED

a Merriam-Webster
REG. U.S. PAT. OFF.

Utilizing all the experience and resources of more than one hundred years of Merriam-Webster® dictionaries

EDITOR IN CHIEF
PHILIP BABCOCK GOVE, Ph.D.
AND
THE MERRIAM-WEBSTER
EDITORIAL STAFF

MERRIAM-WEBSTER INC., *Publishers*
SPRINGFIELD, MASSACHUSETTS, U.S.A.

A GENUINE MERRIAM-WEBSTER

The name *Webster* alone is no guarantee of excellence. It is used by a number of publishers and may serve mainly to mislead an unwary buyer.

Merriam-Webster™ is the name you should look for when you consider the purchase of dictionaries or other fine reference books. It carries the reputation of a company that has been publishing since 1831 and is your assurance of quality and authority.

Library of Congress Cataloging in Publication Data
Main entry under title:

Webster's third new international dictionary of the English language, unabridged: a Merriam-Webster/editor in chief, Philip Babcock Gove and the Merriam-Webster editorial staff.
p. cm.
ISBN 0-87779-201-1

1. English language—Dictionaries. I. Gove, Philip Babcock, 1902–1972. II. Merriam-Webster, Inc.
PE1625.W36 1993
423–dc20 93-10630
CIP

MADE IN THE UNITED STATES OF AMERICA

5051QP/H01

pressing) so as to form a depression (as a dent or hollow) ⟨~*ing* a pattern in a metal surface⟩ **2** : to form a depression (as a dent or hollow) in the surface of by or as if by striking or pressing ⟨~*ing* the pillow with his head⟩ : make an indentation in ⟨wore tight-fitting pince-nez which ~*ed* the sides of his nose in two red grooves —O.S.J.Gogarty⟩ ~ *vi* : DENT ⟨this asphalt ~*s* easily⟩

⁴indent \"\ *n* -S : INDENTATION ⟨the damp grass was everywhere marked with the ~*s* of his sharp hooves —Llewelyn Powys⟩

in·den·ta·tion \ˌin,den'tāshən\ *n* -S [*³indent* + *-ation*] **1 a** : an angular cut (as a notch) or something resembling such a cut in an edge ⟨~*s* along the edge of a leaf⟩ **b** : a usu. deep recess (as in a coastline) ⟨many bays pockmark the coast with ~*s*⟩ **2** : the action of indenting or condition of being indented **3** [*³indent* + *-ation*] : a usu. small surface depression (as a dent or hollow) made by or as if by striking or pressing ⟨noticed that the metal was covered with ~*s*⟩ **4** : INDENTION 2

in·dent·ed·ly \ən'dentədlē\ *adv* [*indented* (past part. of *³indent*) + *-ly*] : by indentation : in intaglio ⟨a design made ~ in the surface of the stone⟩

in·dent·er *or* **in·den·tor** \-'dentə(r)\ *n* -S [partly fr. *¹indent* + *-er* or *-or*, partly fr. *³indent* + *-er* or *-or*] : one that indents: **a** *usu indentor* : one that orders by an indent (sense 2) **b** : an object (as of diamond, carbide, hard steel) having a pointed or rounded tip that is forcibly pressed against the surface of a metal so as to test for hardness and resistance to indentation

in·den·tion \-'denchən\ *n* -S [*¹indent* + *-ion*] **1** *archaic* : INDENTATION 1 **2 a** : the action of indenting (as a line of a paragraph) or condition of being indented **b** : the blank space produced by indenting

¹in·den·ture \ən'denchə(r)\ *n* -S [ME *endenture*, *indenture*, fr. MF *endenture*, fr. OF, fr. *endenter* to indent (a document) + *-ure* — more at ¹INDENT] **1 a** (1) : a document (as a deed or contract) or a section of a document that is indented (sense 1a) (2) : a document (as a deed or contract) or a copy of a document that is not indented (sense 1a) but that is usu. formal and under seal and executed in two or more copies (3) : a contract binding one person to work for another for a given period of time (as an apprentice for a master craftsman or a new immigrant for an established colonist) — usu. used in pl. **b** : a document (as an inventory, voucher) that is not indented (sense 1a) and that may or may not be executed in two or more copies and that is formal or official and authenticated and prepared for purposes of control **2** *obs* : a zigzag course (as of one running) **3** : INDENTATION 1 **4** [*³indent* + *-ure*] : INDENTATION 3

²indenture \"\ *vt* -ED/-ING/-S **1** : to bind (as an apprentice) by indentures **2** *archaic* : to make an indentation (sense 3) in

indentured labor *n* [*indentured* fr. past part. of *²indenture*] : CONTRACT LABOR 2

in·den·ture·ship \-ˌship\ *n* [*¹indenture* + *-ship*] : the condition of being indentured ⟨completed the three years of his ~⟩

in·dependable \ˌin+\ *adj* [*¹in-* + *dependable*] : UNDEPENDABLE

in·de·pen·dence \ˌində'pendən(t)s, -dē'-\ *n* [fr. *independent*, after such pairs as E *competent: competence*] **1** : the quality or state of being independent : FREEDOM, LIBERTY ⟨their declaration of ~⟩ ⟨national ~⟩ ⟨political ~⟩ ⟨intellectual ~⟩ ⟨~ from the mother country⟩ ⟨enjoyed ~ of outside control⟩ **2** *archaic* : COMPETENCE 2 ⟨had a considerable ~, besides two good livings —Jane Austen⟩ **3** : a grayish to dark purplish blue that is redder and stronger than flag blue

independence day *n, usu cap I&D* : a day set aside for public celebration of an anniversary connected with the beginnings of national independence; *specif* : July 4 observed as a legal holiday in the U.S. commemorating the adoption of the Declaration of Independence in 1776

in·de·pen·den·cy \-dənsē, -siˌ\ *n* [*independent* + *-cy*] **1** : INDEPENDENCE 1 **2** *usu cap* **a** : a religious movement originated in England by Robert Browne (1550?–?1633) who taught that a church consists of a body of believers bound by a covenant to God and each other and that it is independent of any higher ecclesiastical authority **b** : CONGREGATIONALISM 2 **3** *archaic* : COMPETENCE 2 **4** : an independent political state (as a country, a nation)

¹in·de·pen·dent \ˌ••'•dənt\ *adj* [*¹in-* + *dependent*] **1** : not dependent: as **a** (1) : not subject to control by others : not subordinate : SELF-GOVERNING, AUTONOMOUS, FREE ⟨an ~ nation⟩ ⟨was ~ of outside control⟩ (2) : not affiliated with or integrated into a larger controlling unit (as a business unit) ⟨an ~ retail store⟩ (3) : originating from outside a given unit (as a business unit) ⟨the corporation hired ~ auditors to check its books⟩ or made by individuals from outside a given unit ⟨an ~ audit⟩ **b** (1) : not requiring or relying on something else (as for existence, operation, efficiency) : not contingent : not conditioned ⟨an ~ conclusion⟩ ⟨~ action⟩ ⟨two effects that are quite ~ of each other⟩ (2) : being or acting free of the influence of something else ⟨an ~ witness⟩ ⟨conducting an ~ investigation⟩ (3) : not looking to others for one's opinions or for the guidance of one's conduct : not biased by others : acting or thinking freely or disposed to act or think freely ⟨an ~ mind⟩ ⟨leading an ~ life⟩ ⟨an ~ journal of opinion⟩ (4) : not bound by or committed definitively to a political party : exercising a totally free political choice ⟨an ~ voter⟩ **c** (1) : not requiring or relying on others (as for support, supplies, a livelihood) ⟨was altogether ~ of the praise or condemnation of others⟩ ⟨an ~ source of revenue⟩ ⟨the job made him ~ of his parents⟩ (2) : not needing to work for a living : having a competence ⟨spent most of his time traveling idly about, having been ~ for years⟩ (3) : that is enough to free from the necessity of working for a living : making up a competence ⟨a gentleman of ~ means⟩ **d** (1) : refusing to look to others for help : disliking or refusing to accept assistance or to be under obligation to others ⟨too ~ to accept charity⟩ (2) : showing a desire for or love of freedom and absence of constraint : marked by impatience with or annoyance at restriction ⟨a bold and ~ manner of acting⟩ ⟨had an ~ air about her⟩ **2** *usu cap* : of, relating to, or holding the doctrines of the Independents ⟨an *Independent* church⟩ **3 a** : MAIN 6 ⟨an ~ clause⟩ **b** : ISOLATIVE — used of sound change **c** : that is neither derivable from nor incompatible with another statement ⟨an ~ proposition in logic⟩ **syn** see FREE

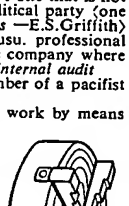
²independent \"\ *n* **1** *usu cap* : an adherent of Independency **2** : one that is independent ⟨free-lance artists and other ~*s*⟩ ⟨large corporations and the smaller ~*s*⟩; *esp* : one that is not bound by or definitively committed to a political party ⟨one third of the voters classify themselves as ~*s* —E.S.Griffith⟩

independent audit *n* : an audit made by usu. professional auditors who are wholly independent of the company where the audit is being made — contrasted with *internal audit*

independent baptist *n, usu cap I&B* : a member of a pacifist Baptist sect organized in 1927

independent chuck *n* : a chuck for holding work by means of four jaws that may be moved separately

independent component *n* : a component in a physical-chemical system that may be varied without fixing the condition of the system



independent contractor *n* : one that contracts to do work or perform a service for another and that retains total and free control over the means or methods used in doing the work or performing the service

independing *adj* [*¹in-* + *depending* (pres. part. of *depend*)] *obs* : INDEPENDENT

in·deprivable \ˌin+\ *adj* [*¹in-* + *deprivable*] *archaic* : INALIENABLE

in·der·bo·rite \ˌindərᵊbōˌrīt, -bōˌ-\ *n* -S [Russ *inderborit*, fr. Lake *Inder*, Kazakhstan, U.S.S.R., its locality + Russ *bor-* + *-it* -ite] : a mineral $CaMgB_6O_{11}.11H_2O$ consisting of a hydrous borate of calcium and magnesium

in·der·ite \'indəˌrīt\ *n* -S [Russ *inderit*, fr. Lake *Inder*, Kazakhstan, U.S.S.R., its locality + Russ *-it* -ite] : a mineral $Mg_3B_6O_{11}.15H_2O$ consisting of a hydrous borate of magnesium

in·describability \ˌin+\ *n* **1** : the quality or state of being indescribable **2** : something indescribable

¹in·describable \"+\ *adj* [*¹in-* + *describable*] : that cannot be described: **a** : that cannot be described with precision : too vague or indefinite or intangible or complex to be described ⟨a strange ~ feeling —J.C.Powys⟩ **b** : that is beyond description : that surpasses description : too extreme or too much beyond experience to be adequately described ⟨filled with ~ joy⟩ ⟨scenes of ~ horror⟩ — **in·de·scrib·able·ness** *n* -ES — **in·describably** \"+\ *adv*

²indescribable \"\ *n* -S **1** : something indescribable ⟨a box full of curious trinkets and other ~*s*⟩ **2 indescribables** *pl, archaic slang* : TROUSERS

indesert *n* [*¹in-* + *³desert*] *obs* : the quality or state of being undeserving : lack of merit

¹in·designate \ən, (')in+\ *adj* [*¹in-* + L *designatus*, past part. of *designare* to point out, designate] : not quantified ⟨an ~ proposition in logic⟩

²indesignate \"\ *n* -S : an indesignate term or proposition in logic

indesinent *adj* [LL *indesinent-*, *indesinens*, fr. L *in-* ¹in- + *desinent-*, *desinens*, pres. part. of *desinere* to leave off, cease — more at DESINENT] *obs* : UNCEASING

in·destructibility \ˌin+\ *n* : the quality or state of being indestructible ⟨the ~ of matter⟩

in·de·struc·ti·ble \ˌindəˈstrəktəbəl, -dēˈ-\ *adj* [prob. fr. LL *indestructibilis*, fr. L *in-* ¹in- + *destructus* (past part. of *destruere* to tear down, destroy) + *-ibilis* -ible — more at DESTROY] : not destructible : incapable of being destroyed ⟨any belief more ~ than the belief in the ultimate triumph of justice —Robert Lynd⟩ — **in·de·struc·ti·ble·ness** *n* -ES — **in·de·struc·ti·bly** \-blē, -li\ *adv*

in·detectable \ˌin+\ *adj* [*¹in-* + *detectable*] : not detectable

in·determinable \ˌin+\ *adj* [*¹in-* + *determinable*] : not determinable: **a** *obs* : not subject to limitation **b** : incapable of being definitely decided or settled ⟨would have raised a host of delicate and ~ questions —Leslie Stephen⟩ **c** : incapable of being definitely fixed ⟨handed out free shoes and clothes to ~ thousands —Dwight Macdonald⟩ or ascertained ⟨a questionable and ~ relationship —Jacob Viner⟩ — **in·de·ter·min·able·ness** *n* — **in·determinably** \"+\ *adv*

in·determinacy \ˌin+\ *n* [*indeterminate* + *-cy*] : INDETERMINATION

indeterminacy principle *n* : UNCERTAINTY PRINCIPLE

in·determinate \ˌin+\ *adj* [ME *indeterminat*, fr. LL *indeterminatus*, fr. L *in-* ¹in- + *determinatus*, past part. of *determinare* to limit, determine — more at DETERMINE] : not determinate : not definitely determined : not clearly established : not fixed : not settled : INDEFINITE, UNCERTAIN, VAGUE, INDISTINCT: as **a** (1) : not precisely fixed in extent or size or number or nature ⟨a material used in an ~ number of varieties⟩ ⟨a huge container of ~ volume⟩ ⟨an insect of ~ sex⟩ (2) : lacking precision of meaning : semantically vague or unfixed ⟨an ~ and obscure phrase⟩ **b** : not fixed beforehand : not known in advance ⟨their future remains ~⟩ ⟨when the rebellion will occur is ~⟩ **c** : not leading to a definite end or result ⟨an ~ debate⟩ : remaining doubtful and unclear ⟨an ~ point of law⟩ **d** (1) : not limited as to the number of possible solutions ⟨an ~ problem in mathematics⟩ (2) *of a number* : not limited to one fixed value or to a series of fixed values — opposed to *determinate* **e** : not predetermined by some external force : not constrained : acting freely : SPONTANEOUS ⟨maintaining that moral choice is ~⟩ **f** (1) : having a capacity for indefinite elongation : not exhibiting determinate growth ⟨~ plants⟩ ⟨an ~ stem⟩; *esp* : RACEMOSE ⟨an ~ inflorescence⟩ (2) : having no critical photoperiod **g** : phonetically neutral ⟨an ~ vowel⟩ — **in·de·ter·mi·nate·ly** *adv* — **in·de·ter·mi·nate·ness** *n*

indeterminate cleavage *n* : cleavage in which all the early cleavage cells possess the potencies of the entire zygote — compare DETERMINATE CLEAVAGE

indeterminate equation *n* : an equation in which the unknown quantities admit of an infinite number of values or sets of values

indeterminate form *n* : any of the seven undefined expressions

$$\frac{0}{0},\ \frac{\infty}{\infty},\ 0\cdot\infty,\ \infty-\infty,\ 0^0,\ \infty^\circ,\ \text{and}\ 1^\infty$$

that a mathematical function may assume by formal substitution

indeterminate growth *n* : growth in which a plant axis is not limited by development of a terminal flower bud or other reproductive structure and so continues to elongate indefinitely (as in racemose inflorescence) — compare DETERMINATE GROWTH

indeterminate sentence *n* : a punitive sentence that fixes the term or amount of punishment only within certain limits and leaves the exact term or amount of punishment to be determined by administrative authorities

in·determination \ˌin+\ *n* [*indeterminate* + *-ion*] : the quality or state of being indeterminate

in·determined \ˌin+\ *adj* [*¹in-* + *determined* (past part. of *determine*)] *archaic* : INDETERMINATE

in·determinism \ˌin+\ *n* [*¹in-* + *determinism*] **1** : a theory that the will is free and that deliberate choice and the action following such choice are not completely or not at all determined by or predictable from antecedent causes — compare DETERMINISM **2** : the quality or state of being indeterminate; *esp* : UNPREDICTABILITY

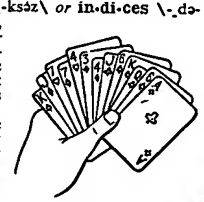
in·determinist \"+\ *n* [fr. *indeterminism*, after such pairs as E *determinism: determinist*] : one that holds the theory of indeterminism

in·deterministic \"+\ *adj* : of or relating to indeterminism ⟨a mere ~ account of the moral life —Alexander Darroch⟩

in·devotion \ˌin+\ *n* [*¹in-* + *devotion*] *archaic* : lack of devotion

in·devout \ˌin+\ *adj* [ME *indevout* (trans. of LL *indevotus*), fr. *¹in-* + *devout*] : not devout — **in·de·vout·ly** *adv*

¹in·dex \'inˌdeks\ *n, pl* **indexes** \-kˌsəz\ *or* **in·di·ces** \-dəˌsēz\ *see sense 8* [L *indic-*, *index*, fr. *indicare* to point out, indicate — more at INDICATE] **1** : INDEX FINGER 1, FOREFINGER **2** : ALIDADE c **3 a** : a usu. alphabetical list that includes all or nearly all items (as topics, names of people and places) considered of special pertinence and fully or partially covered or merely mentioned in a printed or written work (as a book, catalog, or dissertation), that gives with each item the place (as by page number) where it may be found in the work, and that is usu. put at or near the end of the work **b** (1) : CARD INDEX (2) : STEP



index 11

but independent of an interpretant ⟨a bullet hole in a fence is an ~ that a shot has been fired⟩ — contrasted with *icon* and *symbol* **7 a** : a list of restricted or prohibited or otherwise proscribed material ⟨an ~ of forbidden books⟩ **b** *usu cap* : INDEX LIBRORUM PROHIBITORUM **8** *pl usu indices* : a number or symbol or expression written to the left or right of and above or below or otherwise associated with another number or symbol or expression to indicate use or position in an arrangement or expansion or to indicate a mathematical operation to be performed ⟨the *indices* 2 and 3 used to locate the element a_{23} in the second row and third column of a determinant⟩ ⟨3 is the ~ in the expression $\sqrt[3]{5}$ to specify a cube root of 5⟩ **9** *or* **index mark** : a character☞ used to direct particular attention (as to a note or paragraph) and as the seventh in series of the reference marks — called also *fist*, *hand* **10 a** : a ratio or other number derived from a series of observations and used as an indicator or measure (as of a condition, property, or phenomenon) ⟨a discrepancy ~ based on the differences between the students' predicted and attained honor-point ratios —*Educational & Psychological Measurement*⟩ ⟨the ~ of variation . . . is obtained by considering the positive differences between every pair of incomes in the group and averaging these differences —*Economica*⟩ ⟨an ~ is a measurable aspect of society which indicates the extent to which certain more complex aspects are present —Mabel Elliott & Francis Merrill⟩; *specif* : INDEX NUMBER ⟨the ~ of industrial production increased from 113.2 in December 1950 to 122.0 by November 1951 (1946 = 100) —*Americana Annual*⟩ — see CONSUMER PRICE INDEX, DOW-JONES INDEX; INDEX OF REFRACTION **b** : the ratio of one dimension of a thing (as an anatomical structure) to another dimension — see CEPHALIC INDEX **11** : a miniature indication of denomination and value often printed on the corners of playing cards to make it unnecessary to view the full face of each card

²index \"\ *vb* -ED/-ING/-ES *vt* **1 a** : to provide (as a book) with an index ⟨the book will be ~*ed* in its next edition so as to make it more useful⟩ **b** : to list (as the contents of a book) in an index ⟨all persons and places mentioned are carefully ~*ed*⟩ **2 a** : to serve as an index of ⟨wrinkles ~ advancing age⟩ **b** : to point to : INDICATE ⟨a compass needle that ~*es* true north⟩ **3** : to move (a machine or a piece of work held in a machine tool) so that a specific operation (as the cutting of gear teeth) will be repeated at definite intervals of space **4** : to determine the fertility or yielding ability or disease resistance or some other character of (a plant or seed) by planting and testing a sample in advance of release for general use — used esp. of potatoes ⟨~*ing* potato eyes⟩ ⟨~*ing* a potato of each hill⟩ ~ *vi* : to index something

index bar *n* : the movable arm of a sextant

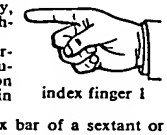
index center *n* : one of a pair of machine-tool centers or jaws provided with means of rotating a piece of work by predetermined equal amounts (as in cutting gear teeth)

index crank *n* : the crank of an index head whose turning a specified amount transmits through gearing a definite angular movement to the index-head spindle

in·dex·er \-sə(r)\ *n* -S **1** : one that makes an index or works at indexing **2 a** : one who operates a machine for cutting index indentations into pages (as of reference books) **b** : one who prepares material (as reference books) for a machine that cuts index indentations or who prepares material for the insertion of index tabs

index ex·pur·ga·to·ri·us \-ikˌspərgə'tōrēəs, -ekˌ-, -ōr-\ *n, pl* **indices expurgato·rii** \-rēˌī, -rēˌē\ [NL, expurgatory index] **1** *sometimes cap I&E* : a list of proscribed material (as books) **2** *usu cap I&E* : a list of books once separately published and now included in the Index Librorum Prohibitorum that gives titles of works forbidden by church authority to Roman Catholics pending revision or deletion of some sections

index finger *n* **1** : the digit next to the thumb : FOREFINGER **2** : INDEX 9



index finger 1

index forest *n* : a forest that in density, volume, and increment reaches the highest average in a given locality

index fossil *n* : a fossil that is usu. of narrow time range and wide spatial distribution and that is used in the identification of related geologic formations (as in locating new petroleum reserves)

index glass *n* : the mirror on the index bar of a sextant or similar instrument

index hand *n* : a pointer or hand for indicating something (as a reading on a dial) : INDICATOR

index head *or* **indexing head** *n* : a headstock attachable to the table of a milling machine, planer, or shaper on which work may be mounted by a chuck or centers for indexing

in·dex·i·cal \ənˈdeksəkəl, (')inˌd-, \ *adj* [*¹index* + *-ical*] : of, relating to, or resembling an index ⟨~ errors⟩ ⟨~ lists⟩

in·dex·i·cal·ly \-sək(ə)lē\ *adv* [*¹index* + *-ical* + *-ly*] : by way of an index : in the manner of an index ⟨what is ~ referred to —C.W.Morris⟩

in·dex·less \'inˌdekslȯs\ *adj* : having no index ⟨an ~ book⟩

index li·bro·rum pro·hib·i·to·rum \-lī'brōrəmprōˌhibə'tōrəm, -ōr-\ *n, pl* **indices librorum prohibitorum** [NL, index of prohibited books] **1** *sometimes cap I&L&P* : a list of proscribed books **2** *usu cap I&L&P* : a list of books condemned in whole or in part as dangerous to faith or morals by church authority and forbidden to Roman Catholics — compare INDEX EXPURGATORIUS

index liquid *n* : a liquid of known refractive index used (as in crystallography) in the determination of the refractive index of powdered substances with a microscope

index map *n* : a map that shows (as by enclosing a small area in a rectangle on a large map) the location of one or more small areas in relation to a larger area and that typically points up special features in the small areas about which information is desired

index mark *n* : INDEX 9

index number *n* : a number used to indicate change in magnitude (as of cost, price, or volume of production) as compared with the magnitude at some specified time usu. taken as 100 ⟨if the cost of an item in 1930 was one and one half as much as its cost in 1913, its *index number*, relative to 1913, was 150⟩ ⟨relative *index numbers* representing changes in price level of the particular type of asset being considered would be used for the purpose of converting fixed assets to current dollar values —*Accountants Digest*⟩ — used esp. in statistics

index of refraction : the ratio of the velocity of light or other radiation in the first of two media to its velocity in the second as it passes from one into the other, the first medium being usu. taken to be a vacuum — called also *refractive index*

index percent *n* : the increase in value of a tree or of a forest due to the combined volume, quality, and price increments and expressed as an annual percent of its present value

index plane *also* **index horizon** *n* : a surface (as the top of a sedimentary bed) used in working out geological structure

index plate *n* : a graduated circular plate or one with circular rows of holes differently spaced that is used in machines (as for graduating circles or cutting gear teeth)

index re·rum \-'rērəm\ *n, pl* **indices rerum** [NL, index of things] : an index of topics covered (as in a book)

index species *n* : a plant or animal species so highly adapted to a particular kind of environment that its presence is sufficient indication that a habitat under investigation belongs to the kind to which the species is adapted